#### AMENDMENTS TO THE CLAIMS

Upon entry of this amendment, the following listing of claims will replace all prior versions and listings of claims in the pending application. Please cancel claims 9 and 10, and add claims 16-18 as follows:

# Listing of Claims

 (Previously Presented) A computer-implemented method for efficiently parsing received data files, comprising:

receiving, by a virtual browser, a data file;

retrieving, by the virtual browser, a stored version of the data file and a syntax tree comprising nodes and tokens representing data within the data file, the tree including at least one static node:

comparing, by a comparison engine in communication with the virtual browser, the stored version of the data file with the received data file to identify non-matching content in the received data file;

parsing, by a parsing engine of the virtual browser, only the non-matching content of the received data file to form at least one subtree comprising nodes and tokens representing the non-matching content of the received data file;

replacing, by the virtual browser, at least one static node of the syntax tree with a token; and

creating, by the virtual browser, a mapping from each token to one of the subtrees.

#### 2. (Canceled)

- 3. (Canceled)
- (Previously Presented) The computer-implemented method of claim 1 wherein the data file is a web page.
- (Previously Presented) The computer-implemented method of claim 1 wherein the data file is an HTML file.
- (Previously Presented) A method for efficiently parsing web pages, comprising: receiving, by a virtual browser, a first HTML page;

retrieving, by the virtual browser, a cached version of the HTML page and a syntax tree comprising nodes and tokens representing data within the first HTML page, the tree including at least one static node:

comparing, by a comparison engine in communication with the virtual browser, the cached version of the HTML page with the received HTML page to identify non-matching content in the received HTML page;

parsing, by a parsing engine of the virtual browser, only the non-matching content in the received HTML page to form at least one subtree comprising nodes and tokens representing the non-matching content of the received data file;

replacing, by the virtual browser, at least one static node of the syntax tree with a token; and

creating, by the virtual browser, a mapping from each token to one of the subtrees.

Atty. Docket No.: 2006579-0558 (CTX-199)

Application No.: 09/767,365

7. (Canceled)

8. (Previously Presented) A method for efficiently parsing HTML pages.

comprising:

receiving, by a virtual browser, a first HTML page;

responsive to a determination that a cached version of the HTML page exists:

retrieving, by the virtual browser from a cache, the cached version of the HTML page and a first syntax tree comprising nodes and tokens representing data within the first HTML page, the first tree including at least one static node;

comparing, by a comparison engine in communication with the virtual browser, the cached version of the first HTML page with the received HTML page to identify non-matching content in the received HTML page;

parsing, by a parsing engine of the virtual browser, only the non-matching content to form a subtree:

creating, by the virtual browser, a mapping from a token of the first tree to the subtree;

responsive to a determination that the cached version of the HTML page does not exist:

parsing, by the parsing engine of the virtual browser, the received HTML page to form a second syntax tree comprising nodes and tokens representing the non-matching content of the

received data file, the second tree containing at least one static node; and

storing the second tree and the received HTML page in the cache.

- 9. (Cancelled)
- 10. (Cancelled)
- (Previously Presented) A method for efficiently parsing received data files, comprising: receiving, by a virtual browser, a first data file;

retrieving a stored syntax tree from a cache, the stored syntax tree comprising nodes and tokens, representing data within the first data file and containing at least one static node and at least one token:

retrieving, by the virtual browser, a second data file from the cache, the second data file associated with the first data file:

identifying, by a comparison engine in communication with the virtual browser, nonmatching content present only in the first data file;

parsing, by a parsing engine of the virtual browser, only the non-matching content of the first data file to form at least one subtree comprising nodes and tokens representing the non-matching content of the received data file; and

mapping, by the virtual browser, at least one of the tokens to at least one of the subtrees.

12. (Previously Presented) The method of claim 11, further comprising:

responsive to identifying non-matching content present only in the first file: adding, by the virtual browser, at least one new token to the syntax tree.

 (Previously Presented) A system for efficiently parsing input data from a plurality of content servers.

## comprising:

a virtual browser for retrieving content from content servers;

an identification engine, in communication with the virtual browser for identifying retrieved content:

a cache, in communication with the virtual browser, for storing retrieved content and syntax trees comprising nodes and tokens representing data within the retrieved content; a comparison engine in communication with the virtual browser, for comparing retrieved content with stored content to identify non-matching content not stored in the cache:

a parsing engine of the virtual browser for parsing only the non-matching content identified by the comparison engine, forming subtrees comprising nodes and tokens representing the non-matching content of the received data file and creating a mapping from new tokens to formed subtrees.

### 14. (Canceled)

15. (Previously Presented) An intermediary for efficiently parsing received data files transmitted between a client and a server, the intermediary comprising:

a cache storing a version of a data file received from a server and a syntax tree comprising nodes and tokens representing data within the data file, the tree including at least one static node:

a comparison engine comparing the stored version of the data file with the received data file to identify non-matching content in the received data file; and

a virtual browser in communication with the comparison engine, retrieving the stored version of the data file and the syntax tree from the cache, parsing only the non-matching content of the received data file to form at least one subtree comprising nodes and tokens representing the non-matching content of the received data file, replacing at least one static node of the syntax tree with a token, and creating a mapping from each token to one of the subtrees.

16. (New) A method for efficiently parsing received data files, the method comprising:

determining, by a service executing on a computing device, that a received web page comprises an object not stored in a cache;

identifying, by the service responsive to a rule, that the object is to be tracked; parsing, by the service responsive to identifying that the object is to be tracked, content of the received web page to create an abstract syntax tree;

storing, by the service, the abstract syntax tree and the content to the cache; determining, by the service, that the object of a second received web page is stored in the cache;

retrieving, by the service responsive to determining that the object is stored in the cache, the abstract syntax tree and the content from the cache;

comparing, by the service, the second received web page to the content to identify non-matching content in the second web page;

parsing, by the service, only the non-matching content to generate a subtree; and modifying, by the service, the abstract syntax tree to comprise a token mapped to the subtree.

- 17. (New) The method of claim 16, wherein parsing content of the received web page to create an abstract syntax tree further comprises designating each node in the abstract syntax tree as a static node.
- 18. (New) The method of claim 16, further comprising identifying by the token dynamic content in the abstract syntax tree.